



Day 30

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with Federal Express for FedEx 2Day delivery addressed to:
U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Mail Stop Amendment, Crystal Plaza Two,
Lobby, Room 1B03, Arlington, VA 22202, FedEx Tracking No. 8383 7609 9585
on the below date:

Date: June 15, 2004

Name: Carolyn Beason-Wright

Signature: Carolyn Beason-Wright

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: John K. Kaltenmark, et al.

Appln. No.: 09/676,584

Filed: September 29, 2000

For: OPERATIONS ARCHITECTURES FOR
NETCENTRIC COMPUTING SYSTEMS

Attorney Docket No: 10022/043

Examiner: Unknown

Art Unit: 3629

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window
MAIL STOP AMENDMENT
Crystal Plaza Two, Lobby
Room 1B03
Arlington, VA 22202

Sir:

Attached is/are:

- ☒ THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
☒ Return Receipt Postcard

Fee calculation:

- ☒ No additional fee is required.
☐ Small Entity.
☐ An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
☐ A petition or processing fee in an amount of \$_____ under 37 C.F.R. § 1.17(____).
☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

Fee payment:

- ☐ A check in the amount of \$_____ to cover the above-identified fee(s) is enclosed.
☐ Please charge Deposit Account No. 23-1925 in the amount of \$_____. A copy of this Transmittal is enclosed for this purpose.
☐ Payment by credit card in the amount of \$_____ (Form PTO-2038 is attached).
☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

Date

JUNE 15, 2004

Sanders N. Hillis (Reg. No. 45,712)



CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with Federal Express for FedEx 2Day delivery addressed to:
U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Mail Stop Amendment, Crystal Plaza Two,
Lobby, Room 1B03, Arlington, VA 22202, FedEx Tracking No. 8383 7609 9585
on the below date:

Date: June 15, 2004Name: Carolyn Beason-WrightSignature: Carolyn Beason-Wright

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: John K. Kaltenmark, et al.Appln. No.: 09/676,584Filed: September 29, 2000For: OPERATIONS ARCHITECTURES FOR
NETCENTRIC COMPUTING SYSTEMSAttorney Docket No: 10022/043Examiner: UnknownArt Unit: 3629

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window
MAIL STOP AMENDMENT
Crystal Plaza Two, Lobby
Room 1B03
Arlington, VA 22202

Sir:

Attached is/are:

- ☒ THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT]
☒ Return Receipt Postcard

Fee calculation:

- ☒ No additional fee is required.
☐ Small Entity.
☐ An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
☐ A petition or processing fee in an amount of \$_____ under 37 C.F.R. § 1.17(____).
☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

Fee payment:

- ☐ A check in the amount of \$_____ to cover the above-identified fee(s) is enclosed.
☐ Please charge Deposit Account No. 23-1925 in the amount of \$_____. A copy of this Transmittal is enclosed for this purpose.
☐ Payment by credit card in the amount of \$_____ (Form PTO-2038 is attached).
☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

Date

JUNE 15, 2004Sanders N. Hillis (Reg. No. 45,712)



Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited
with Federal Express for FedEx 2Day delivery addressed to:
U.S. Patent and Trademark Office, 2011 South Clark Place,
Customer Window, Mail Stop Amendment, Crystal Plaza Two,
Lobby, Room 1B03, Arlington, VA 22202
FedEx Tracking No. 8383 7609 9585

on June 15, 2004

Carolyn Beason-Wright
Carolyn Beason-Wright

PATENT

Case No.: 10022/043

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	Group Art Unit: 3629
John K. Kaltenmark, et al.)	
)	Examiner: Not Assigned
Serial No.: 09/676,584)	
)	
Filed: September 29, 2000)	
)	
For: OPERATIONS ARCHITECTURES)	
FOR NETCENTRIC COMPUTING)	
SYSTEMS)	

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window
MAIL STOP AMENDMENT
Crystal Plaza Two, Lobby
Room 1B03
Arlington, VA 22202

Dear Sir:

Pursuant to the duty of candor and good faith required of each individual associated with the filing and prosecution of a U.S. patent application, Applicant hereby discloses the references listed on the attached PTO Form 1449. A copy of each of the references listed on

the attached PTO Form 1449 is enclosed. Applicant requests that these documents be considered and made of record in this application.

This Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits and no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the references disclosed are, or are considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Sanders N. Hillis", is written over a horizontal line.

Sanders N. Hillis
Registration No. 45,712
Attorney for Applicant

SNH/cbw
Attachments: PTO Form 1449
Copies of References

BRINKS HOFER GILSON & LIONE
One Indiana Square, Suite 1600
Indianapolis, Indiana 46204
Telephone: 317-636-0886
Facsimile: 317-634-6701



FORM PTO-1449	SERIAL NO. 09/676,584	CASE NO. 10022/043
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 3629
(use several sheets if necessary)		APPLICANT(S): John K. Kaltenmark et al.

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	6,662,357 B1	12/09/2003	Bowman-Amuah	717/120	08/31/1999
	A2	6,640,249 B1	10/28/2003	Bowman-Amuah	709/228	08/31/1999
	A3	6,615,258 B1	09/02/2003	Barry et al.	709/223	09/24/1998
	A4	6,598,046 B1	07/22/2003	Goldberg et al.	707/5	09/29/1998
	A5	6,584,466 B1	06/24/2003	Serbinis et al.	707/10	04/07/1999
	A6	6,529,948 B1	03/04/2003	Bowman-Amuah	709/217	08/31/1999
	A7	6,523,027 B1	02/18/2003	Underwood	707/4	07/30/1999
	A8	6,418,430 B1	07/09/2002	DeFazio et al.	707/3	01/10/1999
	A9	6,405,364 B1	06/11/2002	Bowman-Amuah	717/101	08/31/1999
	A10	6,401,097 B1	06/04/2002	McCotter et al.	707/102	01/22/1999
	A11	6,289,382 B1	09/11/2001	Bowman-Amuah	709/226	08/31/1999
	A12	6,256,773 B1	07/03/2001	Bowman-Amuah	717/1	08/31/1999
	A13	6,185,573 B1	02/06/2001	Angelucci et al.	707/104	04/22/1998
	A14	6,144,975	11/07/2000	Harris, Jr. et al.	707/901	05/05/1998
	A15	6,061,695	05/09/2000	Slivka et al.	707/513	12/06/1996
	A16	6,038,560	03/14/2000	Wical	707/5	05/21/1997
	A17	6,029,192	02/22/2000	Hill et al.	709/206	03/14/1997
	A18	6,023,698	02/08/2000	Lavey, Jr. et al.	707/10	12/05/1996
	A19	6,012,071	01/04/2000	Krishna et al.	707/522	01/29/1997
	A20	6,006,171	12/21/1999	Vines et al.	702/184	07/28/1997
	A21	5,930,512	07/27/1999	Boden et al.	395/710	10/18/1996
	A22	5,924,096	07/13/1999	Draper et al.	707/10	10/15/1997
	A23	5,892,905	04/06/1999	Brandt et al.	395/187.01	12/23/1996
	A24	5,877,759	03/02/1999	Bauer	345/339	03/26/1997
	A25	5,835,090	11/10/1998	Clark et al.	345/339	10/17/1996
	A26	5,799,297	08/25/1998	Goodridge et al.	707/1	12/15/1995
	A27	5,781,732	07/14/1998	Adams	395/200.35	06/20/1996
	A28	5,761,071	06/02/1998	Bernstein et al.	364/479.07	07/27/1996
	A29	5,758,150	05/26/1998	Bell et al.	395/610	10/06/1995
	A30	5,745,753	04/28/1998	Mosher, Jr.	395/618	01/24/1995
	A31	5,737,533	04/07/1998	de Hond	395/200.49	10/26/1995
	A32	5,710,915	01/20/1998	McElhiney	395/603	12/21/1995
	A33	5,619,716	04/08/1997	Nonaka et al.	395/800	06/06/1995
	A34	5,956,479	09/21/1999	McInerney et al.	395/183.14	11/13/1995
	A35	5,590,270	12/31/1996	Tsukuda et al.	395/701	02/21/1995
	A36	5,535,388	07/09/1996	Takeda	395/650	06/09/1994
	A37	4,809,170	02/28/1989	Leblang et al.	364/200	04/22/1987

FOREIGN PATENT DOCUMENTS

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUN 16 2004

Page 2 of 4

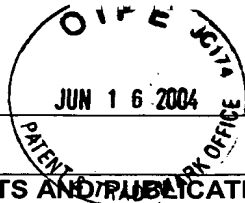
FORM PTO-1449	SERIAL NO. 09/676,584	CASE NO. 10022/043
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 3629
(use several sheets if necessary)		APPLICANT(S): John K. Kaltenmark et al.

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	A38	EP 0520923 A2	12/30/1992	Europe	G06F 15/21	
	A39	EP 0697655 A2	02/21/1996	Europe	G06F 9/46	
	A40	EP 0697691 A2	02/21/1996	Europe	G09G 5/14	
	A41	EP 0769739 A2	04/23/1997	Europe	G06F 9/44	
	A42	EP 0810520 A1	12/03/1997	Europe	G06F 9/44	
	A43	EP 0841616 A2	05/13/1998	Europe	G06F 9/445	
	A44	GB 2315891 A	02/11/1998	United Kingdom	G06F 17/30	
	A45	WO 95/23373	08/31/1995	PCT	G06F 9/28	
	A46	WO 97/12311	04/03/1997	PCT	G06F	
	A47	WO 98/54660	12/03/1998	PCT	G06F 17/30	
	A48	WO 98/57260	12/17/1998	PCT	G06F 9/44	
	A49	WO 99/38079	07/29/1999	PCT	G06F 13/00	

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS <small>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.</small>	
	A50	Billy B.L. Lim, "Teaching web development technologies in CS/IS curricula," ACM, copyright 1998, pp. 107-111
	A51	Litoiu et al., "A performance engineering tool and method for distributed applications," ACM, pp. 1-14
	A52	Zoller et al., "A toolkit for an automatic, data dictionary based connection of databases to the WWW," ACM, copyright 1998, pp. 706-718
	A53	McDowell et al., "Unloading Java classes that contain static fields," ACM, v. 33(1), 10/15/1997, pp. 56-60
	A54	Orfali, R., Harkey, D., Edwards, J., "Intergalactic Client/Server Computing," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp. 108-110, 114, 11, XP000501823, ISSN: 0360-5280;
	A55	Smeets, J., Boyer, S., "Internet and Client Server Patent Information Systems: New Services from Derwent," World Patent Information, GB, Elsevier Sciences Publishing, Barking, Vol. 20, No. 2, June 1998, pp. 136-139, XP004165804, ISSN 0172-2190
	A56	Orfali, R., Harkey, D., "Client/Server With Distributed Objects," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp 151-152, 154, 156, XP000501827, ISSN 0360-5280
	A57	Aoyama, M., Hanai, Y., Suzuki, M., "An Integrated Software Maintenance Environment: Bridging Configuration Management and Quality Management," Proceedings of the Conference on Software Maintenance, International Conference on Software Maintenance, Washington, US, IEEE Computer Society Press, 24 October 1988 pp. 40-44
	A58	Borsook, P., "Seeking Security. Mainframe Techniques Define System Security. Soon, they'll be Adapted To Distributed Client/Server Systems." Byte, McGraw-Hill, Inc., St. Peterborough, Vol. 18, No. 6, 1 May 1993, pp. 119-122, 124, 12, XP000359327, ISSN 0360-5280.
	A59	Tanenbaum, A., "Computer Networks - Third Edition," Prentice-Hall International, London, GB, 1996, pp. 28-39, XP002161723
	A60	Blakeley, J.A., "Universal Data Access with OLE DB," Proceedings of IEEE Compcon, U.S. Los Alamitos, IEEE Computer Society Press, 23 Feb. 1997, pp. 2-7

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

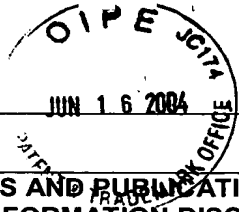


FORM PTO-1449	SERIAL NO. 09/676,584	CASE NO. 10022/043
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 3629
(use several sheets if necessary)		APPLICANT(S): John K. Kaltenmark et al.

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
	A61	Voth, G.R., Kindel, C., Fujioka, J., "Distributed Application Development for Three-Tier Architectures: Microsoft on Windows DNA," IEEE Internet Computing Vol. 2, No. 2, March/April 1998, USA
	A62	Lambert, N., "A New Patent Search Tool For The Internet. Q-PAT US." Database, US, Cincinnati, Vol: 19, No. 4, 1 August 1996
	A63	Abdel-Mottaleb, M., Hsiang-Lung, W., Dimitrova, N., "Aspects of Multimedia Retrieval," Philips Journal of Research, NL, Elsevier, Amsterdam, Vol. 50, No. 1, 1996, pp. 227-251
	A64	Olson, M.A., "DataBlade extensions for INFORMIX-Universal Server," Compcon '97 Proceedings, IEEE, 1997, pp. 143-148
	A65	Chamberlin, D.D., "Evolution of Object-Relational Database Technology in DB2," Compcon '97 Proceedings, IEEE, 1997, pp. 131-135
	A66	Nori, A.K., Kumar, S., "Bringing Objects to the Mainstream," Compcon '97 Proceedings, IEEE, 1997, pp. 136-142
	A67	"Data Joiner: A Multidatabase Server Version 1," White Paper, IBM Data Management Solutions, IBM, USA, second edition (May 1995)
	A68	"Effective Systems management for DB2 Universal Database," White Paper, IBM Data Management Solutions, IBM, USA, first edition (December 1996)
	A69	Pleas, K., "Ole's Missing Links," BYTE, McGraw-Hill Inc., St. Peterborough, US, Vol. 21, No. 4, 1 April 1996, pp. 99-102 X-000586036, ISSN 0360-5280
	A70	Burke, M.G., Choi, J.D., Fink, S., Grove, D., Hind, M., Sarkar, V., Serrano, M.J., Sreedhar, V.C., Srinivasan, H., "The Jalapeno Dynamic Optimizing Compiler for Java," Java '99, San Francisco, CA, US, ACM 12 June 1999, pp. 129-141 XP002134655
	A71	Cramer, T., Friedman, R., Miller, T., Seberger, D., Wilson, R., Wolczko, M., "Compiling Java Just in Time," IEEE Micro, IEEE Inc., New York, US, Vol. 17, No. 3, 1 May 1997, pp. 36-43 XP000656035, ISSN: 0272-1732
	A72	Bank, J.S., "Java Security," 8 December 1995, pp. 1-13, X-002092325
	A73	Koved, L., Nadalin, A.J., Neal, D., Lawson, T., "The Evolution of Java Security," IBM, The Ultimate Resource for Java Developers, 1998, pp. 1-14, XP002144222
	A74	Touch, J., Hughes, A.S., "LSAM proxy cache: a multicast distributed virtual cache," Computer Networks and ISDN Systems, North Holland Publishing, Amsterdam, NL (3W3 Workshop, University of Manchester, 15-17th June, 1998), Vol. 30, No. 22-23, 25 Nov. 1998, pp. 22-23
	A75	Clip, P., "Servlets: CGI The Java Way," BYTE, McGraw-Hill, Inc., St. Peterborough, US, Vol. 23, No. 5, 1 May 1998, pp. 55-56
	A76	Gwertzman, J.S., Seltzer, M., "The Case For Geographical Push-Caching," Workshop on Hot Topics in Operating Systems, 4 May 1995, pp. 51-55
	A77	Chamberlin, D.D., "Using the new DB2: IBM's object-relational database system," Morgan Kaufmann Publishers, USA, 1996, ISBN 1-55860-373-5, ppl. 561-567
	A78	North, K., "Database Programming with OLE and ActiveX," DBMS, US, M&T Publ., Redwood City, CA, US, 11-1996, pp. 1-8
	A79	Joshi, S.M., Veeramani, D., "Book Review. Increasing the Interoperability of CAD Packages. CAD and Office Integration: OLE for Design and Modeling – A New Technology for CA-Software," Computer Aided Design, Elsevier Publishers BV, Barking, GB, Vol. 29, No. 12, 12/01/1997, pp. 907

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449	SERIAL NO. 09/676,584	CASE NO. 10022/043
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 3629
(use several sheets if necessary)	APPLICANT(S): John K. Kaltenmark et al.	

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS	
	(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
	A80	Schmoll, J. "Wird OLE for Process Controll (OPC) Ein Neuer Industriestandard?", Automatisierungstechnische Praxis, ATP, Oldenbourg Verlag, Munchen, DE, Vol. 39, No. 5, 05/01/1997, pp. 11-12, 14-17
	A81	Williams, S., Kindel, C., "The Component Object Model. The Foundation for OLE Services," Dr. Dobb's Special Report. Winter, 1994/95, Vol. 19, No. 16, 12/21/1994 pp. 14-22
	A82	Smith, D., Tilley, S.R., Weiderman, N.H., "Transforming Legacy Application into Object-Oriented Applications Workshop, Will Net-Centric Computing Change the Reengineering Equation?" 1996, pp. 1-4
	A83	Hamilton, M.A., "Java and the shift to Net-centric computer," Sun Microsystems, Computer, paper published Aug. 1996, ISSN: 0018-9162, Aug. 1996, pp. 31-39

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.